IN THE CLAIMS:

1. (Original) A duplexer comprising

a ladder filter and a multimode filter that are formed on an identical surface of a predetermined substrate,

a first comb-like electrode of the ladder filter and a second comb-like electrode of the multimode filter having an identical layer structure with an equal film thickness,

the first comb-like electrode and the second comb-like electrode being formed with single-layer films mainly containing aluminum,

the relationship among the film thickness h of the first comb-like electrode and the second comb-like electrode, the center frequency f_1 of the frequency band of the ladder filter, and the center frequency f_2 of the frequency band of the multimode filter, being expressed as:

$300 \leqq h \times f_1 \leqq 480$

$300 \leqq h \times f_2 \leqq 430$.

2. (Original) The duplexer as claimed in claim 1, wherein the relationship among the film thickness h, the center frequency f_1, and the center frequency f_2, is expressed as:

$300 \leqq h \times f_1 \leqq 420$

$350 \leqq h \times f_2 \leqq 410$.

3. (Currently Amended) A duplexer comprising

a ladder filter and a multimode filter that are formed on an identical surface of a piezoelectric substrate,

a first comb-like electrode of the ladder filter and a second comb-like electrode of the multimode filter having an identical layer structure with an equal film thickness,

the first comb-like electrode and the second comb-like electrode being formed with single-

layer films mainly containing aluminum, or single- or multi-layer films including n layers (n being an integer of 1 or greater), the n layers including a layer mainly containing a metal other than aluminum,

the relationship among the film thickness h_k of the kth layer (k being an integer of 1 or greater) of the first comb-like electrode and the second comb-like electrode, the specific gravity a_k of the metal of the kth layer with respect to aluminum, the center frequency f_1 of the frequency band of the ladder filter, and the center frequency f_2 of the frequency band of the multimode filter, being expressed as:

$$\left[\begin{array}{l} 300 \leqq f_1 \times \sum_{k=1}^{n} (\alpha_k \times h_k) \leqq 480 \\ 300 \leqq f_2 \times \sum_{k=1}^{n} (\alpha_k \times h_k) \leqq 430 \end{array}\right]$$

$$- \quad 300 \leqq f_1 \times \sum_{k=1}^{n} (a_k \times h_k) \leqq 480 \quad --$$

$$300 \leqq f_2 \times \sum_{k=1}^{n} (a_k \times h_k) \leqq 430$$

4. (Currently Amended) The duplexer as claimed in claim 3, wherein the relationship among the film thickness h_k, the specific gravity a_k, the center frequency f_1, and the center frequency f_2, is expressed as:

$$\left[\begin{array}{l} 300 \leqq f_1 \times \sum_{k=1}^{n} (\alpha_k \times h_k) \leqq 420 \\ 350 \leqq f_2 \times \sum_{k=1}^{n} (\alpha_k \times h_k) \leqq 410 \end{array}\right]$$

$$- \quad 300 \leqq f_1 \times \sum_{k=1}^{n} (a_k \times h_k) \leqq 420 \quad --$$

$$350 \leqq f_2 \times \sum_{k=1}^{n} (a_k \times h_k) \leqq 410$$

5. (Original) The duplexer as claimed in claim 1, wherein the predetermined substrate is a rotated Y-cut X-propagation lithium tantalate substrate on which surface acoustic wave propagates in the X direction.

6. (Original) The duplexer as claimed in claim 1, comprising a plurality of multimode filters.